

Demonstrate Using Caterpillar Service Software

Skill Number CO-OP15GN119

Full Name: Harimah Ekhurrahman  
 Validation Date: 24 February 2022

No ID: \_\_\_\_\_  
 School: SMK N 1 Singosari

PERFORMANCE TASK:

For Polytechnic, given an electronic machine/engine and Computer contain SIS & ET. For Vocational high school, given a computer contain SIS.

The student must be able to complete the following tasks:

- Open SIS and find information required for a service/repair process.
- Print out the document required.
- Make a connection and communication ET tools to machine. (Polytechnic only)
- Access some menu on ET tools (information menu, diagnostic menu, service menu, flash programming menu). (Polytechnic only)
- Print out the product status report. (Polytechnic only)
- Perform communication & etiquette manner.

| Prerequisite   | Completed |    |     | Observation / Hints   |
|--|-----------|----|-----|---|
|  | Yes       | No | N/A |   |
| The student must complete the knowledge assessment. Minimum passing grade 80%. | ✓         |    |     | Score SIS course or subject (for Polytechnic including ET course or subject). |

| Tasks  | Completed |    |     | Observation / Hints   |
|--|-----------|----|-----|---|
|  | Yes       | No | N/A |   |
| Preparation                                      |           |    |     |   |
| Prepare related literature                       | ✓         |    |     | Candidate should be aware to check all literature such as SIS, Service Manual |
| Prepare required equipment                       | ✓         |    |     | Electronic Machine/Engine   |
| Prepare related tools                            | ✓         |    |     | Computers contain SIS & ET, and Communication Adapter                         |
| Prepare Safety & Contamination Control equipment | ✓         |    |     |   |

| Tasks  | Completed |    |     | Observation / Hints                                    |
|--|-----------|----|-----|--|
|  | Yes       | No | N/A |  |
| Perform etiquette/manner when starting the job         | ✓         |    |     |  |
| Meet the customer / assessor                           | ✓         |    |     |  |
| Perform etiquette/manner when opening the interaction. | ✓         |    |     | • Perform smile & greetin<br>• Introduce Student's ide |
| Explain the purpose of Student's activity.             | ✓         |    |     |  |
| Ask permission to perform the job.                     | ✓         |    |     |  |

| Tasks  | Completed |    |     | Observation / Hints  |
|--|-----------|----|-----|--|
|  | Yes       | No | N/A |  |
| Demonstrate using SIS to find required information         | ✓         |    |     | Setting to the network or Internet   |
| Connect the computer to the network or Internet            | ✓         |    |     | <ul style="list-style-type: none"> <li>• Access SIS menu</li> <li>• Input specified serial number.</li> <li>• Find below information refer to sp serial number:</li> <li>- Specified system operation.</li> <li>- Specified testing &amp; adjusting.</li> <li>- Specified removal/install.</li> <li>- Specified Assemble/Disassem</li> <li>- Specified specification.</li> <li>- Specified part number/group number.</li> <li>- Maintenance interval schedule</li> </ul> |
| Open SIS and find information required for service/repair. |           |    |     |  |
| Documentation:   |           |    |     |  |
| Take picture if needed                                     | ✓         |    |     |  |

| Tasks   | Completed |    |     | Observation / Hints   |
|---|-----------|----|-----|---|
|   | Yes       | No | N/A |   |
| Demonstrate using ET to service and repair machine (for Polytechnic only) |           |    |     |   |
| Make a connection and communication ET tools to machine                   | ✓         |    |     | Setting preference on ET menu and PC/Laptop   |
| Access some menu on ET tools  | ✓         |    |     | <ul style="list-style-type: none"> <li>Access to menu for performance test purpose on engine / machine, file management, and service purpose.</li> <li>Print out the product status report</li> </ul> |
| <b>Documentation:</b>   |           |    |     |   |
| Take picture if needed  | ✓         |    |     |   |

| Tasks   | Completed |    |     | Observation / Hints   |
|---|-----------|----|-----|---|
|   | Yes       | No | N/A |   |
| <b>Perform close the job by ensuring all systems or conditions is in the standard condition</b> |           |    |     |   |
| Ensure all systems or conditions are in standard condition.                                     | ✓         |    |     | <ul style="list-style-type: none"> <li>Find the improper condition.</li> <li>Communicate the finding to the customer/assessor.</li> </ul> |

| Tasks  | Completed |    |     | Observation / Hints   |
|--|-----------|----|-----|---|
|  | Yes       | No | N/A |   |
| Reporting  |           |    |     |   |
| All relevant documentation completed correctly and approved by customer (if required). | ✓         |    |     | <ul style="list-style-type: none"> <li>Completing the Task List</li> <li>Completing Measurement Form/Related Check Sheet, if required</li> <li>Create Service Report (SIMS), if required</li> <li>Create SPR, if required</li> <li>Documenting the failed or damaged parts, if required</li> <li>Provide Technical Analysis Report/Failure Analysis Report, if required.</li> </ul> |

| Tasks   | Complete |    |     | Observation / Hints  |
|---|----------|----|-----|--|
|   | Yes      | No | N/A |  |
| <b>Safety</b>   |          |    |     |  |
| Using APD related to the job  | ✓        |    |     |  |
| Follows relevant workplace safety guidelines (tag out, safety equipment)                | ✓        |    |     | <ul style="list-style-type: none"> <li>Comply with safety regulation applied on the workplace</li> </ul>   |
| State and follow safety precautions   | ✓        |    |     | <ul style="list-style-type: none"> <li>Create Job Safety Analysis</li> <li>Student must follow safety procedure refer to service manual or SIS to job</li> </ul> |
| Service man completes job without accident due to incorrect procedure using hand tools. | ✓        |    |     | <ul style="list-style-type: none"> <li>Correct working position.</li> <li>Correct hand tool related to the job</li> </ul>  |
| Tasks completed without damage equipment and tools                                      | ✓        |    |     |  |

| Tasks                                  | Complete |    |     | Observation / Hints  |
|--|----------|----|-----|--|
|  | Yes      | No | N/A |  |
| <b>Contamination Control</b>           |          |    |     |  |
| Environmental Practices & Housekeeping | ✓        |    |     | <ol style="list-style-type: none"> <li>Waste is minimized, waste materials including sludge, solids and of wastes are sorted and stored for recycling or disposal</li> <li>Packaging of goods received and reused or disposed of by recycling</li> <li>Materials that can be reused are cleaned and stored</li> <li>Waste and scrap are removed following workplace procedure</li> <li>All fluids are disposed of in accordance with enterprise policies and procedures</li> </ol> |

| Tasks  | Completed |    |     | Observation / Hints  |
|--|-----------|----|-----|--|
|  | Yes       | No | N/A |  |
| <b>Perform etiquette/manner after completing the job</b> |           |    |     |  |
| Perform etiquette/manner when closing the communication. | ✓         |    |     | <ul style="list-style-type: none"> <li>Perform smile &amp; greet the customer</li> <li>Ask permission to leave the interaction.</li> </ul> |

General Comments

Task completed

RESULT:  COMPETENT  NOT YET COMPETENT  (please check (N))

Student: Yanzah Katurahman 29 (S2) 1026 Name: \_\_\_\_\_ Date: \_\_\_\_\_ Signature: *Yanzah*

Assessor: NIP. 19840822 202221 1 012 Name: \_\_\_\_\_ Date: 24/2/21 Signature: *[Signature]*

Supervisor: \_\_\_\_\_ Name: \_\_\_\_\_ Date: \_\_\_\_\_ Signature: \_\_\_\_\_

Data Recorded: \_\_\_\_\_ Name: \_\_\_\_\_ Date: \_\_\_\_\_ Signature: \_\_\_\_\_

**Demonstrate Using Caterpillar Service Software**

Skill Number CO-OP15GN119

Full Name: Kemal Fakhurrahman

No ID: \_\_\_\_\_

Validation Date: 29 / 02 / 2022

School: Satek Singasari

**PERFORMANCE TASK:**

For Polytechnic, given an electronic machine/engine and Computer contain SIS & ET. For Vocational high school, given a computer contain SIS.

The student must be able to complete the following tasks:

- Open SIS and find information required for a services/repair process.
- Print out the document required.
- Make a connection and communication ET tools to machine. (Polytechnic only)
- Access some menu on ET tools (Information menu, diagnostic menu, service menu, flash programming menu). (Polytechnic only)
- Print out the product status report. (Polytechnic only)
- Perform communication & etiquette manner.

| Prerequisite   | Yes                                 | No | N/A | Observation / Hints |
|--|-------------------------------------|----|-----|---------------------|
| The student must complete the knowledge assessment. Minimum passing grade 80%. | <input checked="" type="checkbox"/> |    |     |                     |

| Tasks  | Completed                           |    |     | Observation / Hints |
|--|-------------------------------------|----|-----|---------------------|
|  | Yes                                 | No | N/A |                     |
| Preparation                                      | <input checked="" type="checkbox"/> |    |     |                     |
| Prepare related literature                       | <input checked="" type="checkbox"/> |    |     |                     |
| Prepare required equipment                       | <input checked="" type="checkbox"/> |    |     |                     |
| Prepare related tools                            | <input checked="" type="checkbox"/> |    |     |                     |
| Prepare Safety & Contamination Control equipment | <input checked="" type="checkbox"/> |    |     |                     |

| Tasks  | Completed                           |    |     | Observation / Hints |
|--|-------------------------------------|----|-----|---------------------|
|  | Yes                                 | No | N/A |                     |
| Perform etiquette/manner when starting the job         | <input checked="" type="checkbox"/> |    |     |                     |
| Meet the customer / assessor                           | <input checked="" type="checkbox"/> |    |     |                     |
| Perform etiquette/manner when opening the interaction. | <input checked="" type="checkbox"/> |    |     |                     |
| Explain the purpose of Student's activity.             | <input checked="" type="checkbox"/> |    |     |                     |
| Ask permission to perform the job.                     | <input checked="" type="checkbox"/> |    |     |                     |

| Tasks  | Completed                           |    |     | Observation / Hints |
|--|-------------------------------------|----|-----|---------------------|
|  | Yes                                 | No | N/A |                     |
| Demonstrate using SIS to find required information         | <input checked="" type="checkbox"/> |    |     |                     |
| Connect the computer to the network or Internet            | <input checked="" type="checkbox"/> |    |     |                     |
| Open SIS and find information required for service/repair. | <input checked="" type="checkbox"/> |    |     |                     |
| Documentation:   |                                     |    |     |                     |
| Take picture if needed                                     | <input checked="" type="checkbox"/> |    |     |                     |

| Tasks   | Completed                           |    |     | Observation / Hints |
|---|-------------------------------------|----|-----|---------------------|
|   | Yes                                 | No | N/A |                     |
| Demonstrate using ET to service and repair machine (for Polytechnic only) | <input checked="" type="checkbox"/> |    |     |                     |
| Make a connection and communication ET tools to machine                   | <input checked="" type="checkbox"/> |    |     |                     |
| Access some menu on ET tools  | <input checked="" type="checkbox"/> |    |     |                     |
| Documentation:  |                                     |    |     |                     |
| Take picture if needed  | <input checked="" type="checkbox"/> |    |     |                     |

| Tasks  | Completed                           |    |     | Observation / Hints |
|--|-------------------------------------|----|-----|---------------------|
|  | Yes                                 | No | N/A |                     |
| Perform close the job by ensuring all systems or conditions is in the standard condition | <input checked="" type="checkbox"/> |    |     |                     |
| Ensure all systems or conditions are in standard condition.                              | <input checked="" type="checkbox"/> |    |     |                     |

